

MAXI Controller PRO 10"



MCU-MAXI Controller PRO

The MCU-Maxi Controller PRO is "All in One" ruggedized Tactical Mobile Controller / GCS (Ground Control Station) designed to support drones and robotics operation with variety of payloads. It offers various controlling options to support mission critical operations, serving enterprise & governmental sectors within unmanned applications.

MCU-Maxi Controller PRO is designed to the highest standards to meet targeted applications prone to severe conditions and complex needs. It enables real-time HD video and broadband data content transmission by multiple users simultaneously.

MCU- Maxi Controller PRO Key Features:

- Built to enable mission-critical operations
- All in One Unified, with multiple elements
 - Toughpad multi-touch Tablet
 - Transceiver unit –Mobilicom, Skyhopper
 - Encrypted & secured device (optional)
 - Battery
 - Power supply & Antenna
- Customized transceiver unit, joysticks, buttons, sliders, switches & toggles
- Dual antenna & GPS location base services
- 3rd party communication units can be connected (optional)



Product Highlights:

- ☑ Light & Compact
- ☑ IP 65: All-weather / Dust and Water-Resistant Design
- ☑ 10" Panasonic Toughpad Tablet
- ☑ Configurable multiple joysticks, buttons, sliders, toggles, switch and a fail-safe guard
- ☑ Daylight readable
- ☑ User-replaceable battery in field
- ☑ I/O interfaces to peripherals



Tablet Specifications

Type	10" Toughpad FZ-G1 Panasonic
CPU	Intel core i5
User interface	Windows 10 Professional Linux, Android (optional)
Display	10" WXGA 1920 x 1200
Complied with all Windows based controlling software Linux & Android – optional	

Radio & Modem Specifications

MCU-MAXI Controller PRO is Compatible with all MCU and Skyhopper units	
Network Topologies	Point-to-Point Point-to-Multipoint Relay, Mesh (optional)
Modes of Operation	Broadcast, Multicast, Unicast Multiple users
Sensitivity	Max – 101dBm
Diversity support	MIMO 2x2 Tx & Rx diversity
Transmission Technology	OFDM, TDD
Encryption	AES128, AES256 and other options are also available for purchase (custom export control may apply)
Frequencies	2.4GHz (ISM) 900 MHz & 5.8GHz (ISM)- optional Other frequencies available
Range	According to MCU and Skyhopper product spec
Throughput	According to MCU and Skyhopper product spec
3 rd party Radio	Optional

Dimensions (H x W x D)

	24 X 43 X 3.5 cm	9.4 X 16.9 X 1.3"
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Weight

	3.13kg	6.9 pound
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Power

External	12-19V DC
Battery	Li-ion

Environmental

Grade	Extended Ruggedized
Operating Temperature	Operating -20 to 50°C Storage -50 to 85°C
Humidity	5 to 95% non-condensing
Casing	All-weather IP65 Dust and Water-resistant

Interfaces

External Interface	USB 3.0 and USB 2.0, Ethernet *
Human Interface	2 joysticks, 5 buttons including a fail-safe button, 3 sliders, 2 toggles User configurable
Ethernet (*)	supported
Antenna Connector	3xSMA: 2xRF, 1xGPS

Configuration & Management

Unit Monitoring Application	Web-Based Application
Program Interface	API